

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

117-485

APPLICANT

LALVANI et al

DIVISIONAL OF SERIAL NO.

09/916,201

(Use several sheets if necessary)

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November 26, 2003

GROUP

1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
WZ	WO 98/23960	6/1998	PCT				
	WO 95/01441	1/1995	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

WZ	Flynn et al, "Major histocompatibility complex class I-restricted T cells are required for resistance to <i>Mycobacterium tuberculosis</i> infection", Proc. Natl. Acad. Sci. USA 89:12013-12017 (1992)
	Silva et al, "Protection against tuberculosis by passive transfer with T-cell clones recognizing mycobacterial heat-shock protein 65", Immunology 83:341-346 (1994)
	Müller et al, "Impaired Resistance to <i>Mycobacterium tuberculosis</i> Infection after Selective In Vivo Depletion of L3T4 ⁺ and Lyt-2 ⁺ T Cells", Infection and Immunity 55(9):2037-2041 (1987)
	Orme and Collins, "Adoptive Protection of the <i>Mycobacterium tuberculosis</i> -Infected Lung", Cellular Immunology 84:113-120 (1984)
	Turner and Dockrell, "Stimulation of human peripheral blood mononuclear cells with live <i>Mycobacterium bovis</i> BCG activates CD8 ⁺ T cells <i>in vitro</i> ", Immunology 87:339-342 (1996)
	Horwitz et al, "Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of <i>Mycobacterium tuberculosis</i> ", Proc. Natl. Acad. Sci. USA 92:1530-1534 (1995)
	Andersen et al, "Recall of Long-Lived Immunity to <i>Mycobacterium tuberculosis</i> Infection in Mice", J. Immunol. 154:3359-3372 (1995)
	DeLibero et al, "Mycobacteria-reactive Lyt-2 ⁺ T cell lines", Eur. J. Immunol. 18:59-66 (1988)
	Lalvani et al, "Human cytolytic and interferon γ -secreting CD8 ⁺ T lymphocytes specific for <i>Mycobacterium tuberculosis</i> ", Proc. Natl. Acad. Sci. USA 95:270-275 (1998)
	Tan et al, "Human Alveolar T Lymphocyte Responses to <i>Mycobacterium tuberculosis</i> Antigens", J. Immunol. 159:290-297 (1997)

Examiner*

R.P. Swartz

Date Considered

2-22-05

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Brandt et al, "Key Epitopes on the ESAT-6 Antigen Recognized in Mice During the Recall of Protective Immunity to <i>Mycobacterium tuberculosis</i> ", The Journal of Immunology 157:3527-3533 (1996)
	Sørensen et al, "Purification and Characterization of a Low-Molecular-Mass T-Cell Antigen Secreted by <i>Mycobacterium tuberculosis</i> ", Infection and Immunity 63(5):1710-1717 (1995)
	Geluk et al, "Identification of Major Epitopes of <i>Mycobacterium tuberculosis</i> AG85B That Are Recognized by HLA-A*0201-Restricted CD8+ T Cells in HLA-Transgenic Mice and Humans", The Journal of Immunology 165:6463-6471 (2000)
	Lewinsohn et al, "Classically Restricted Human CD8+ T Lymphocytes Derived from <i>Mycobacterium tuberculosis</i> -Infected Cells: Definition of Antigenic Specificity", The Journal of Immunology 166:439-446 (2001)
	Smith et al, "Human CD8+ CTL Specific for the Mycobacterial Major Secreted Antigen 85A", The Journal of Immunology 165:7088-7095 (2000)
	Klein et al, "HLA-B*35-Restricted CD8 T Cell Epitopes in the Antigen 85 Complex of <i>Mycobacterium tuberculosis</i> ", J. Infectious Diseases 183:928-934 (2001)
	Mohagheghpour et al, "CTL Response to <i>Mycobacterium tuberculosis</i> : Identification of an Immunogenic Epitope in the 19-kDa Lipoprotein", The Journal of Immunology 161:2400-2406 (1998)
	Pathan et al, "High frequencies of circulating IFN-γ-secreting CD8 cytotoxic T cells specific for a novel MHC class I-restricted <i>Mycobacterium tuberculosis</i> epitope in <i>M. tuberculosis</i> -infected subjects without disease", Eur. J. Immunol. 30:2713-2721 (2000)
	Wiegshauss and Smith, "Evaluation of the Protective Potency of New Tuberculosis Vaccines", Reviews of Infectious Diseases 11(Suppl 2):S484-S490 (1989)
	Lalvani and Hill, "Cytotoxic T-lymphocytes against malaria and tuberculosis: from natural immunity to vaccine design", Clinical Science 95:531-538 (1998)
	Pollock and Andersen, "The Potential of the ESAT-6 Antigen Secreted by Virulent Mycobacteria for Specific Diagnosis of Tuberculosis", The Journal of Infectious Diseases 175:1251-1254 (1997)
	U.S. Patent Application No. 09/308,725, filed May 24, 1999

*Examiner

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FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

Laurens et al, "Control of latent <i>Mycobacterium tuberculosis</i> infection is dependent on CD8 T cells", Eur. J. Immunol. 30:3689-3698 (2000)
Kamath et al, "Differential Protective Efficacy of DNA Vaccine Expressing Secreted Proteins of <i>Mycobacterium tuberculosis</i> ", Infection and Immunity 67(4):1702-1707 (1999)
Tascon et al, "Protection against <i>Mycobacterium tuberculosis</i> Infection by CD8+ T Cells Requires the Production of Gamma Interferon", Infection and Immunity 66(2):830-834 (1998)
Behar et al, "Susceptibility of Mice Deficient in CD1D or TAP1 to Infection with <i>Mycobacterium tuberculosis</i> ", J. Exp. Med. 189(12):1973-1980 (1999)
Smith et al, "Human CD8+ CTL Specific for the Mycobacterial Major Secreted Antigen 85A, The Journal of Immunology 165:7088-7095 (2000)
Cho et al, "Antimicrobial activity of MHC class I-restricted CD8+ T cells in human tuberculosis", Proc. Natl. Acad. Sci. USA 97(22):12210-12215 (2000)
Dillon et al, "Molecular Characterization and Human T-Cell Responses to a Member of a Novel <i>Mycobacterium tuberculosis mtb39</i> Gene Family", Infection and Immunity 67(6):2941-2950 (1999)
Wilkinson et al, "38000 MW antigen-specific major histocompatibility complex class I restricted interferon- γ -secreting CD8+ T cells in healthy contacts of tuberculosis", Immunology 95:585-590 (1998)
Tanghe et al, "Improved Immunogenicity and Protective Efficacy of a Tuberculosis DNA Vaccine Encoding Ag85 by Protein Boosting", Infection and Immunity 69(5):3041-3047 (2001)
Malin et al, "Vaccinia expression of <i>Mycobacterium tuberculosis</i> -secreted proteins: tissue plasminogen activator signal sequence enhances expression and immunogenicity of <i>M. tuberculosis</i> Ag85", Microbes and Infection 2:1677-1685 (2000)
Wang et al, "Induction of CD4+ T cell-dependent CD8+ tuype 1 responses in human by a malaria DNA vaccine", Proc. Natl. Acad. Sci. USA 98(19):10817-10822 (2001)
Wang et al, "Induction of Antigen-Specific Cytotoxic T Lymphocytes in Humans by a Malaria DNA Vaccine", Science 282:476-480 (1998)
Roy et al, "Induction of antigen-specific CD8+ T cells, T helper cells, and protective levels of antibody in humans by particle-mediated administration of a hepatitis B virus DNA vaccine", Vaccine 19:764-778 (2001)
Cao et al, "Immunogenicity of a Recombinant Human Immunodeficiency Virus (HIV)-Canarypox Vaccine in HIV-Seronegative Ugandan Volunteers: Results of the HIV Network for Prevention Trials007 Vaccine Study", The Journal of Infectious Diseases 187:887-895 (2003)
McShane et al, "Protective Immunity against <i>Mycobacterium tuberculosis</i> Induced by Dendritic Cells Pulsed with both CD8+- and CD4+-T-cell Epitopes from Antigen 85A", Infection and Immunity 70(3):1623-1626 (2002)

*Examiner

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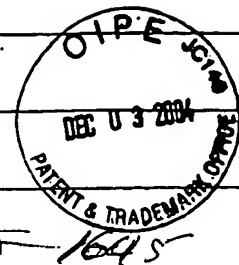
November 26, 2003

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	2002/0131976 A1	09/2002	Lalvani et al.			
BR	2002/0136733 A1	09/2002	Hill et al.			
CR	2004/0058399 A1	03/2004	Lalvani			
DR	2004/0141985 A1	07/2004	Lalvani et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
ER					
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*Examiner Rodney P. Swartz Date Considered 2-22-05

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